Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/30/2020 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124891	-1	2.20	124956	2.15
Blue	F	SSC	125000	124868	-1	1.79	125656	1.71
Blue	E	FITC	16433	16008	-3	2.69	349	19.77
Blue	D	PE	27595	27248	-2	1.92	594	14.86
Blue	B	PerCP-Cy5-5	43183	43692	1	3.54	1175	19.63
Blue	A	PE-Cy7	31943	32272	1	6.01	618	40.12
Red	C	APC	42819	42448	-1	2.48	1500	12.22
Red	A	APC-Cy7	31261	30421	-3	2.31	805	11.70
Violet	B	V450	6527	6243	-5	4.38	352	13.19
Violet	A	V500	24533	23761	-4	4.13	555	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17346	10.48	617	17	N/A	N/A	Pass
Blue	F	SSC	56856	1.22	559	11	N/A	N/A	Pass
Blue	E	FITC	63	60.65	543	4	0.0198	58	Pass
Blue	D	PE	125	48.27	540	6	0.1481	218	Pass
Blue	B	PerCP-Cy5-5	218	49.42	654	12	0.0099	109	Pass
Blue	A	PE-Cy7	114	97.59	701	12	0.0112	10	Pass
Red	C	APC	358	25.36	582	-1	0.0239	136	Pass
Red	A	APC-Cy7	176	28.66	561	-2	0.0059	1130	Pass
Violet	B	V450	54	57.22	450	-5	0.0459	1607	Pass
Violet	A	V500	83	35.38	462	-5	0.0230	1040	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/30/2020 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.74	-32.31	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.90	13.60 - 20.40	N/A	N/A	29.91	30.39	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11038

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments